

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091125\
 Data File : VY023340.D
 Acq On : 11 Sep 2025 11:24
 Operator : SY/MD
 Sample : Q3065-01RE
 Misc : 4.35g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-204RE

Quant Time: Sep 12 01:24:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.713	168	104616	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	172690	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	153389	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	50476	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	59415	64.632	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	129.260%
35) Dibromofluoromethane	7.634	113	66268	62.778	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	125.560%
50) Toluene-d8	10.109	98	200796	50.376	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.760%
62) 4-Bromofluorobenzene	12.408	95	51647	41.173	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.340%

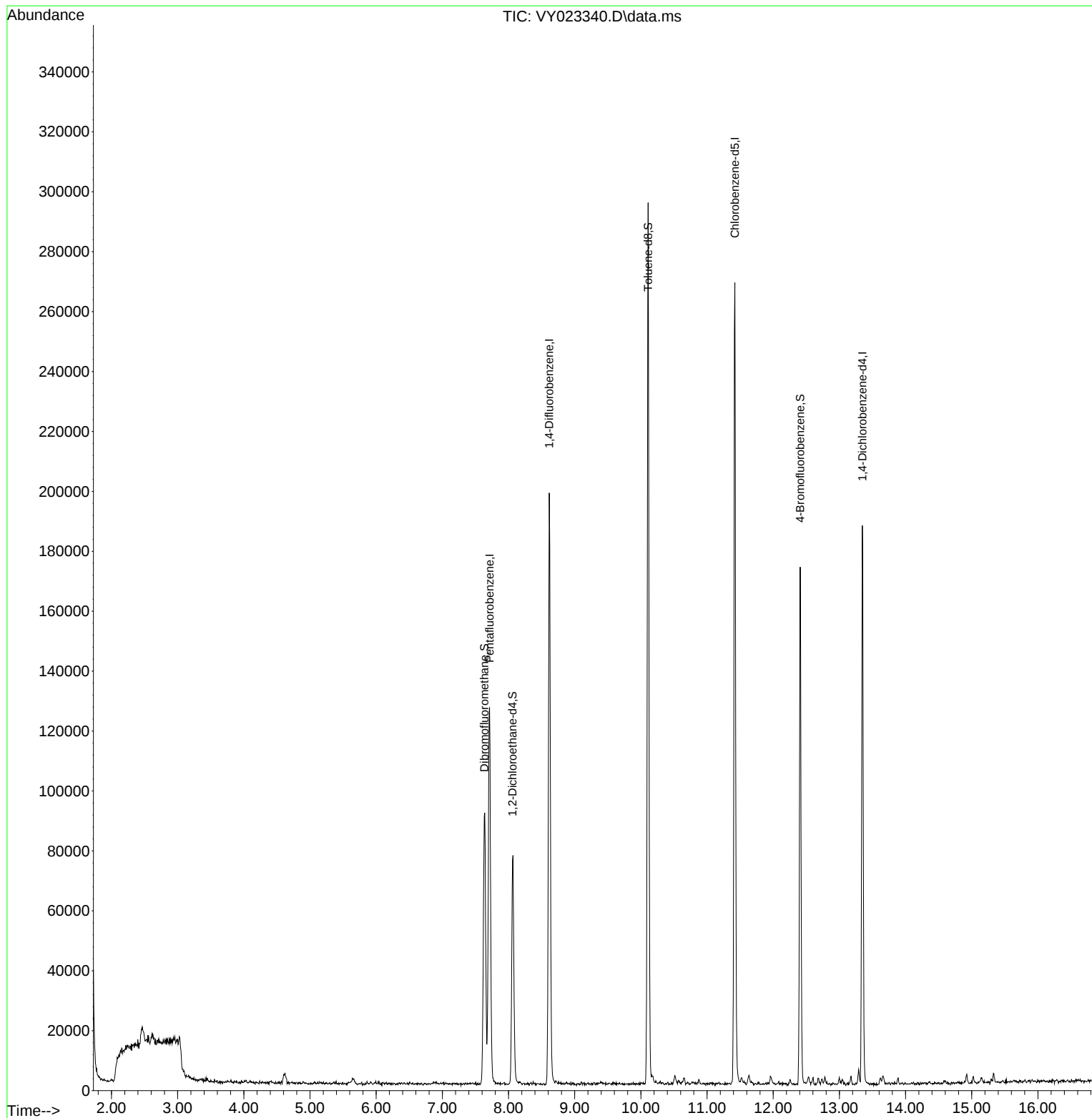
Target Compounds	Qvalue

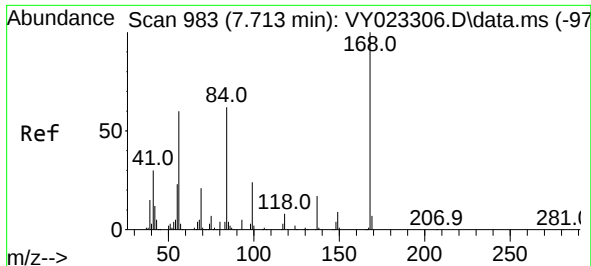
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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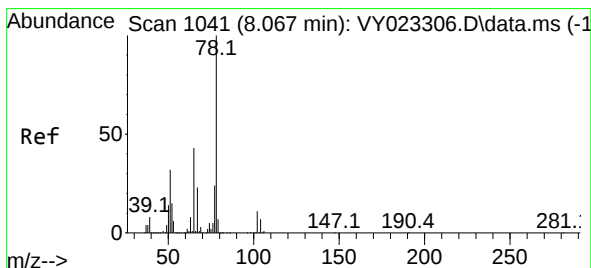
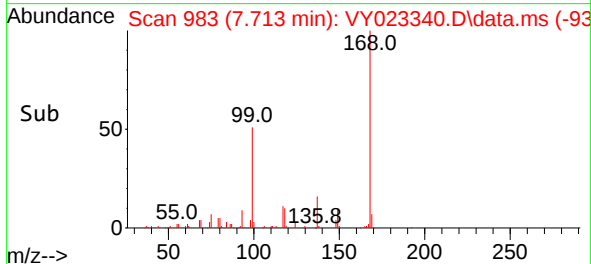
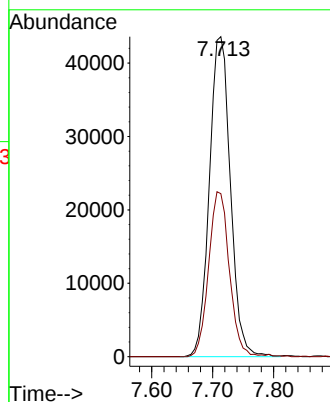
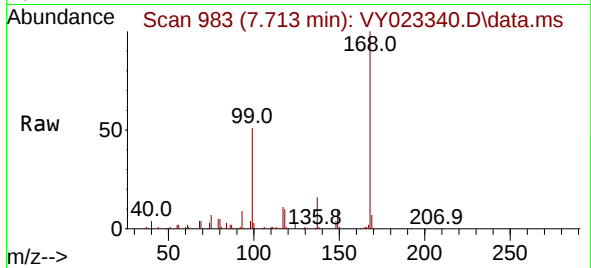




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY023340.D
Acq: 11 Sep 2025 11:24

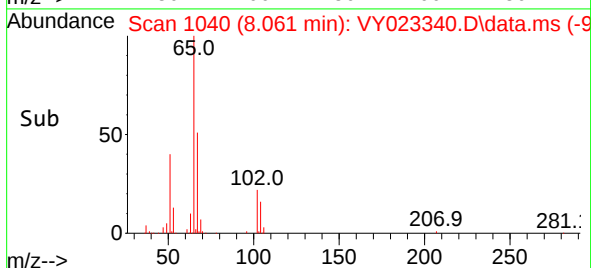
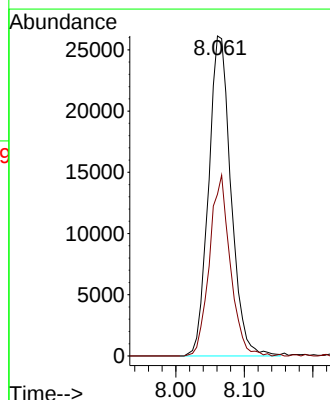
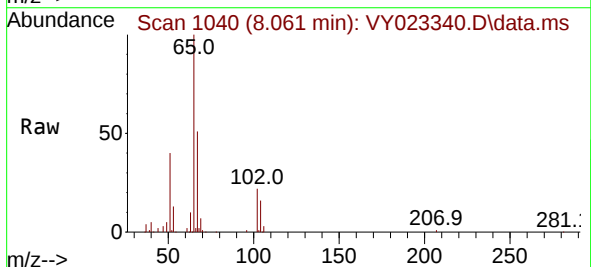
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-204RE

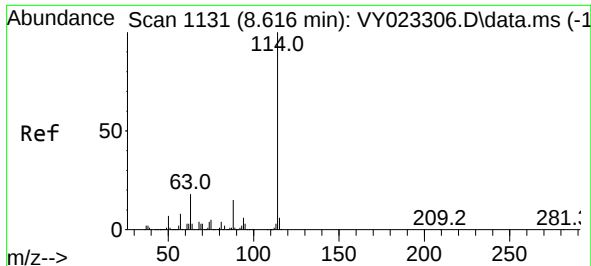
Tgt Ion:168 Resp: 104616
Ion Ratio Lower Upper
168 100
99 51.0 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 64.632 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023340.D
Acq: 11 Sep 2025 11:24

Tgt Ion: 65 Resp: 59415
Ion Ratio Lower Upper
65 100
67 52.5 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023340.D

Acq: 11 Sep 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-204RE

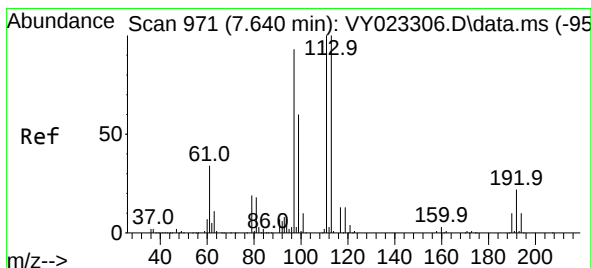
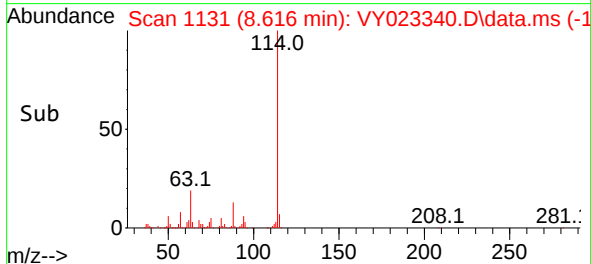
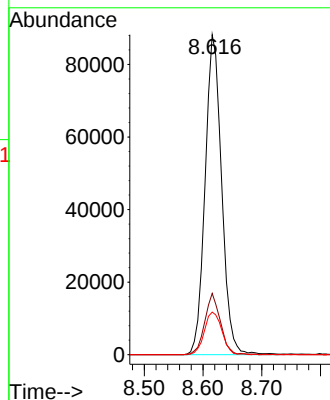
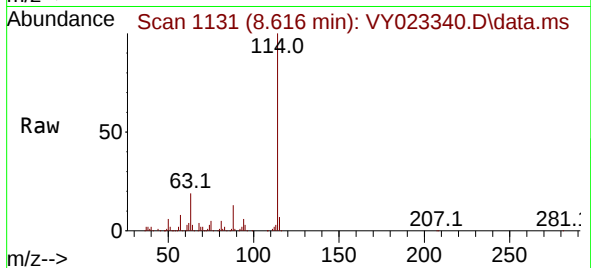
Tgt Ion:114 Resp: 172690

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.4

88 13.3 0.0 30.0



#35

Dibromofluoromethane

Concen: 62.778 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023340.D

Acq: 11 Sep 2025 11:24

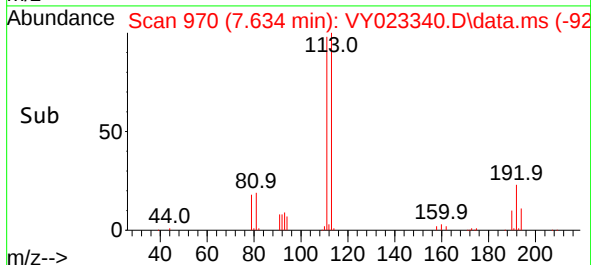
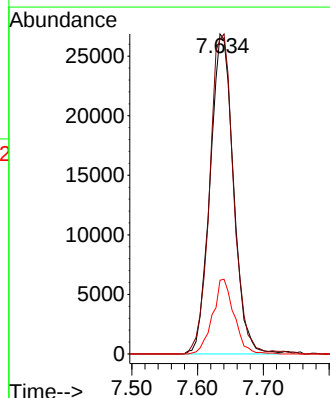
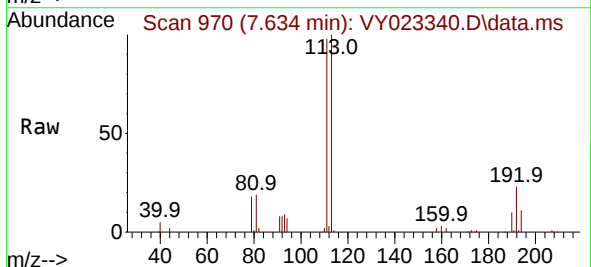
Tgt Ion:113 Resp: 66268

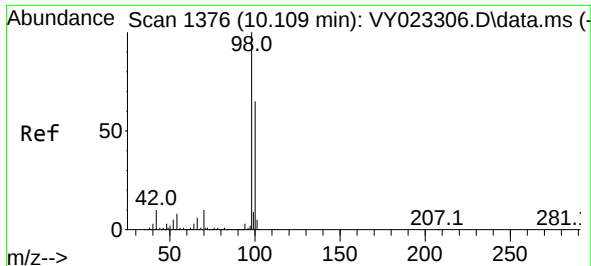
Ion Ratio Lower Upper

113 100

111 101.5 81.1 121.7

192 21.5 16.2 24.4

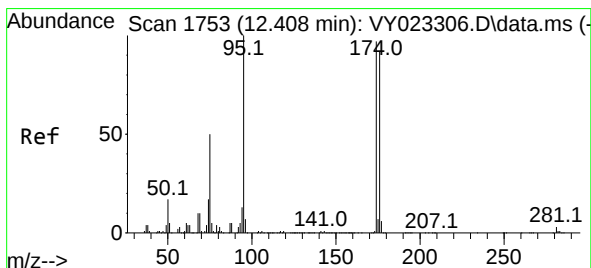
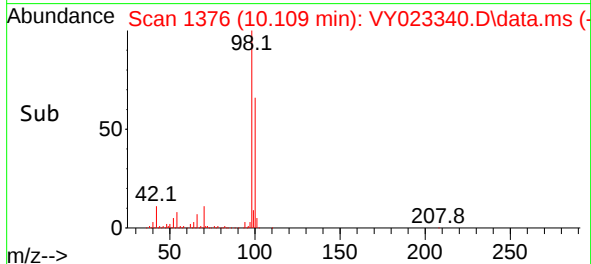
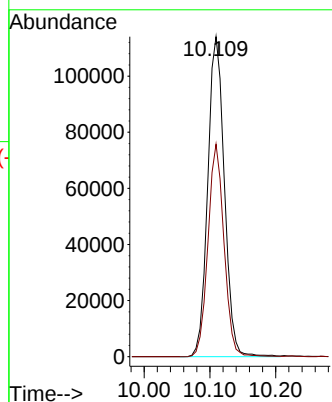
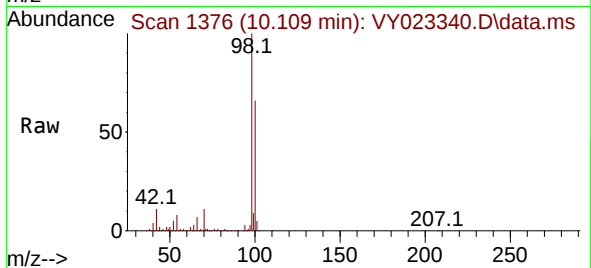




#50
Toluene-d8
Concen: 50.376 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023340.D
Acq: 11 Sep 2025 11:24

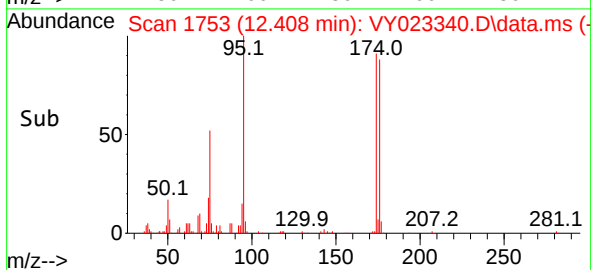
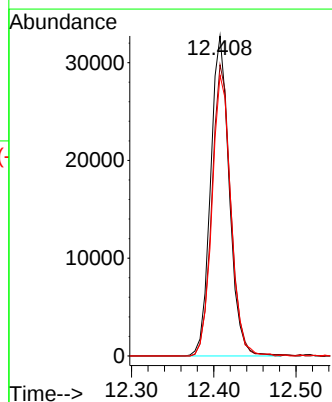
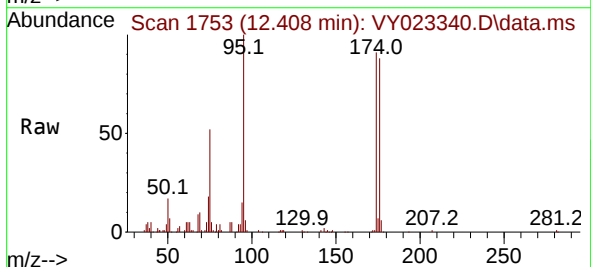
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-204RE

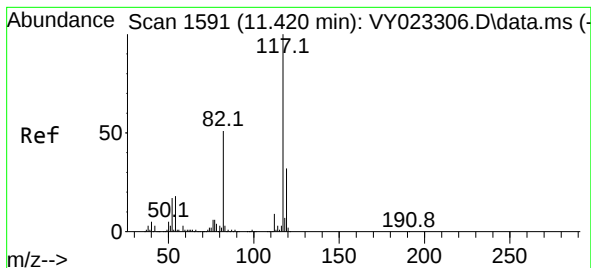
Tgt Ion: 98 Resp: 200796
Ion Ratio Lower Upper
98 100
100 64.0 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 41.173 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023340.D
Acq: 11 Sep 2025 11:24

Tgt Ion: 95 Resp: 51647
Ion Ratio Lower Upper
95 100
174 92.3 0.0 171.6
176 88.9 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY023340.D

Acq: 11 Sep 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-204RE

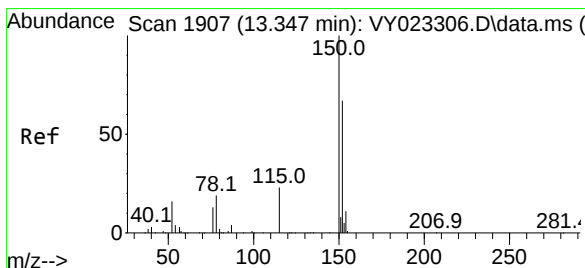
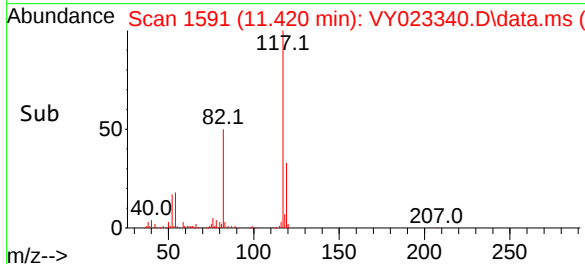
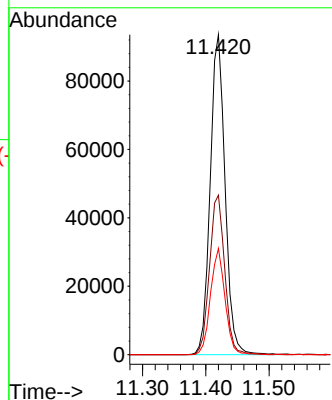
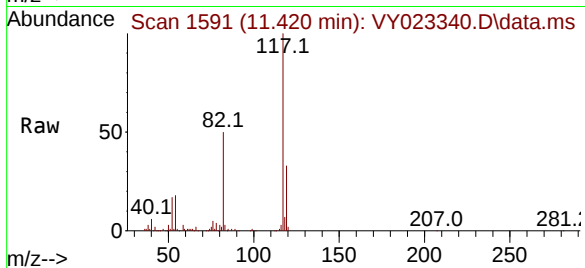
Tgt Ion:117 Resp: 153389

Ion Ratio Lower Upper

117 100

82 49.9 43.4 65.0

119 33.2 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023340.D

Acq: 11 Sep 2025 11:24

Tgt Ion:152 Resp: 50476

Ion Ratio Lower Upper

152 100

115 56.3 28.2 84.6

150 157.2 0.0 348.0

